

OREGON ASSOCIATION OF WATER UTILITIES

46th Annual Management & Technical Conference

March 4–8, 2024 • Sunriver Resort



REGISTRATION INFORMATION & SCHEDULE

Conference Events & Information

Monday, March 4: Pre-Conference Classes

For those who want to earn extra CEUs, register for one of the Monday sessions. For more information, see the Monday Pre-Conference Schedule on page 3 and registration on page 7.

Tuesday–Friday, March 5–8: Full Conference Classes, CEUs and Meals

Tuesday–Friday includes a variety of concurrent classes available with the ability to earn up to 2.4 CEUs. For specific CEUs, please see the full conference schedule. Full conference meals include 3 breakfasts, 3 lunches, awards banquet dinner, and 1 evening deli bar.



Sunriver Resort

Lodging

Please make your room reservations with Sunriver Resort by calling 800-547-3922. Call on or before February 11, 2024 and identify yourself with the OAWU conference to receive lodging discounts (plus tax & resort fees).
Lodge Village Guestrooms: Single \$145

Annual Banquet and Awards Program

Wednesday 6–9 pm; no-host bar 5:30–6 pm

The 2023 awards to be presented during the banquet are water, wastewater, manager and/or office manager, rookie, associate member, and friend of rural water.

Nominations for 2023 Awards

Recognize the outstanding employees at your utility for professional excellence and service in 2023. Please submit your nomination(s) for these awards no later than February 2, 2024. Nomination forms are available online at www.oawu.net or through the OAWU office.

Annual Best Tasting Water in Oregon

Join OAWU in their 29th year conducting the contest for the “Best Tasting Water in Oregon” and find out whose water will win a trip to Washington, D.C. to compete in the National Best Tasting Water contest. For the Oregon contest rules and information, see the last page of this flier or contact the OAWU office at (503) 837-1212.



Game Tournaments

Practice your ping-pong, cribbage, and cornhole for the annual tournament to be held in Homestead Hall during breaks and the Hospitality Night Social.

Magician Hart Keene

Interactive illusion, mind-reading, and comedy

Hart Keene doesn't just present illusion and mentalism, he brings the experience of wonder and awe to an event. With an engaging personality that will enthrall even the most experienced audiences, Hart lights up events with his quick wit, charm, and jaw-dropping illusions.



Cowboy Hospitality Night Social



Join OAWU Thursday for Exhibitor Hospitality Night!

*Cowboy costume contest—
best-dressed cowboy and cowgirl*

Thursday in Homestead Hall, 5:30–8 pm. There will be a cowboy theme, no-host bar, beer kegs and exhibitor raffle prizes. You must be present to win exhibitor raffle prizes. Music in the Owl's Nest begins at 8:30 pm.

Exhibit Hours:

Wednesday 11:30 am – 5 pm & Thursday 7 am – 8 pm

Wednesday, March 6, 2024 Conference Schedule

Exhibition Hours 11:30 am to 5 pm

0.725 Total CEUs

7-8 AM HOMESTEAD Breakfast				
8-9 am 0.1 CEUs	<p>GREAT HALL I Scream, You Scream, We All Scream About PFAS! Poly- and perfluoroalkyl substances (PFAS). As we deal with rapid regulatory changes, aging infrastructure and variable quantities of PFAS – what an operator needs to understand and how to talk to the engineers. Treatment technologies and what’s on the cutting edge. <i>Heather Jennings, Huma Environmental</i> w/WW</p>	<p>LANDMARK I/II Acoustic Leak Detection Learn about the latest acoustic leak sensing technology in the industry that provides undoubtedly the highest NRW Return on Investment. <i>Tim Owens & James Maushart, Correct Equipment</i> w/WW</p>	<p>HERITAGE I Control Valves: Purpose, Function, Maintenance Basic hydraulics, valve functions, pilot system function, valve components, pressure reducing and relief valves, and troubleshooting of common valves. Operators will be able to set, troubleshoot, and maintain their system more effectively. <i>Steve Causseaux, Cimco-GC Systems</i> w/WW</p>	<p>HERITAGE II Simple Industrial Wastewater Treatment / Pre-Treatment What are the current and possible future options for industrial wastewater treatment? What is currently being used, what advantages they have, and their disadvantages. Also new technologies. <i>Rich Owens, Owens Pump & Equipment</i> WW</p>
9-9:15 AM Break				
9:15-10:15 am 0.1 CEUs	<p>GREAT HALL Cybersecurity Real life example of cybersecurity and what that looks like for your water or wastewater utility. <i>Dan Briley, Summit Security Co.</i> w/WW</p>	<p>LANDMARK I/II Adapting to Climate Change for Utilities EPA’s Creating Resilient Water Utilities (CRWU). Utilities adapting to impacts of climate change. The Climate Resilience Evaluation and Awareness Tool (CREAT) and the Resilient Strategies Guide, Climate Data Maps for decision making. <i>Curt Baranowski, EPA</i> w/WW</p>	<p>GREAT HALL Control Valves: Purpose, Function, Maintenance <i>continued</i> w/WW</p>	<p>HERITAGE II Alternative to Gravity Sewer - Pressure Sewer The industry misunderstanding of low-pressure sewer. Flow study & analysis of gravity vs low pressure collection systems. <i>Christine McTavish, Environment One Corporation</i> WW</p>
10:15-10:30 AM Break				
10:30 am-12 pm 0.15 CEUs	<p>GREAT HALL Strategies for Managing Aging Infrastructure Case study of developing an executable plan for managing our aging water and sewer systems. The unique challenges faced by small municipalities when navigating state and federal funding options. <i>Leo Newberg, Inn at Otter Crest</i> w/WW</p>	<p>LANDMARK I/II Working With Your Engineer Look at real life examples of working through project design and implementation with an engineer. How to communicate successfully to get the desired project outcomes. <i>Chad McMurry, Mackay Sposito</i> w/WW</p>	<p>HERITAGE I Asset Management and Emergency/ Events Response Keeping and tracking infrastructure age and repair needs and how this information is important in emergencies. <i>Arnab Bhowmick, Aktivov Asset Management</i> w/WW</p>	<p>HERITAGE II Sewer System Maintenance New ways of cleaning and televising Sewer and Storm systems. <i>Sheldon Teeples, Subsite</i> WW</p>
12-1 PM HOMESTEAD Lunch Break • Exhibits • Game Tournaments				
1-3 pm 0.2 CEUs	<p>GREAT HALL Safety & the Supervisor Relationship between supervision and a safe operation. How to create a safety culture. Provide ideas on improving employee safety - for supervisors, lead people and safety committee members. <i>Larry Fipps, OR-OSHA</i> w/WW</p>	<p>LANDMARK I/II Out of Boundary Water The importance and criteria for drafting a contract for out of boundary water and wastewater services. <i>Laura Schroeder, Schroeder Law Offices, P.C.</i> w/WW</p>	<p>GREAT HALL Asset Management and Emergency/ Events Response <i>continued</i> w/WW</p>	<p>HERITAGE II Modern Lift Station Design Look into the importance of lift station design and how this can create a better functioning station that is easier to maintain. <i>Simon Cartwright, Xylem-Flygt</i> WW</p>
3-3:15 PM HOMESTEAD Break • Exhibits • Game Tournaments				
3:15-5 pm 0.175 CEUs	<p>GREAT HALL Trenchless Technologies Installing utilities using trenchless methods. Directional Drilling, Pipe Bursting and Slip lining, Piercing tools, pipe extraction and slitting, CIPP (Cast in Place Pipe), Pipe Ramming and Auger Boring. <i>Scott Bevens, Ditch Witch West</i> w/WW</p>	<p>LANDMARK I/II Easements Obtaining or expanding easements for water and wastewater infrastructure maintenance, repair, or replacement. <i>Laura Schroeder, Schroeder Law Offices, P.C.</i> w/WW</p>	<p>HERITAGE I Tip Selection and Vector Trucks Hydro excavation, new technology, proper methods, equipment used, safety, and the use and applicability of different nozzle types. Technologies, tips, tricks and operator’s safety in Hydro-Excavation trucks. <i>Shawn Patrick & Dan Nelson, Owens Equipment</i> w/WW/OS</p>	<p>HERITAGE II Confined Space and Hydrant and Valving Needs This class will cover safety concerns and utility needs for entering and working around a confined space. Then will look at basic hydrant and valve use, maintenance, and repair. <i>Frank Ray, EJ</i> WW</p>
5:30-6 pm	GREAT HALL LOBBY	No-Host Meet & Greet		
6-9 pm	GREAT HALL	Annual Banquet & Awards Program		

Thursday, March 7, 2024 Conference Schedule

Exhibition Hours 7 am to 8 pm

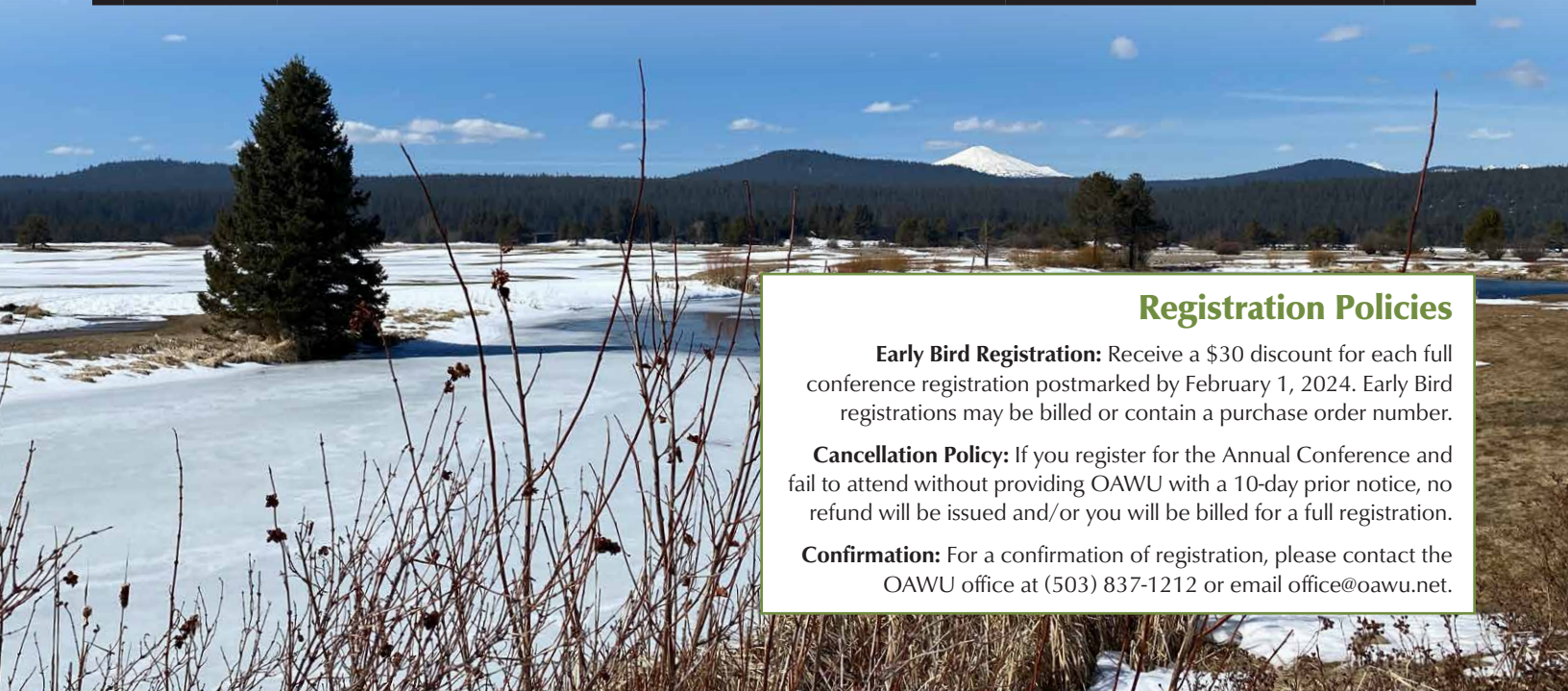
0.725 Total CEUs

7-8 AM		HOMESTEAD		Breakfast • Exhibits • Game Tournaments					
8-9 am	0.1 CEUs	GREAT HALL Basic Math for Water/Wastewater Operators Basic math, including percent and proportions and solving for X, areas and volumes, detention time, flow calculations, hydraulic and organic loading. Bring calculators and notebooks to the workshop. Handouts, including math problems and reference materials, will be provided. <i>Tim Anderson, Wastewater Solutions International</i>	LANDMARK I/II Remote Monitoring Technology Collections or distribution systems using data to drive decisions - Real-time remote water level monitoring to alarm an overflow before it happens. Monitor H2S levels in a sewer system. This new feature can assist in odor studies, dosing, and overall health of the pipe/manhole. <i>Brogan Quist, SmartCover Systems</i>	HERITAGE I Regulatory Update Get an overview of any changes to OHA's regulations and an introduction to some things that may be coming up in the future. <i>Amy Word, OHA</i>	HERITAGE II Prioritizing Sewer Maintenance Using Acoustic Technology Use acoustic inspection technology to screen for blockages in small-diameter gravity sewers. The tool allows utilities to focus their collection system resources on areas with identified needs allowing them to inspect more and clean better. <i>Gene Hallum, InfoSense</i>	W	WW		
		9-9:15 AM HOMESTEAD Break • Exhibits • Game Tournaments							
		9:15-10:15 am	0.1 CEUs	GREAT HALL Basic Math for Operators <i>continued</i>	LANDMARK I/II Locating 101: The Science of Using Tracing Wire Systems Locating methods, how tracer wire works. How to build a robust tracer wire system that will last the life of the pipeline. <i>Steve Causseaux, Cimco-GC Systems</i>	HERITAGE I Municipal Water Rights The little-known intricacies of municipal water rights that you should know. <i>Tamera Smith, Kerri Cope, OWRD</i>	HERITAGE II Your DEQ Online How online will be used for operator certification and a general NPDES permit program update. <i>Kimi Gryzb, DEQ</i>	W	WW
				W/WW	W/WW	W	WW		
10:15-10:45 AM HOMESTEAD Break • Exhibits • Game Tournaments									
10:45-12 pm	0.125 CEUs	GREAT HALL Basic Math for Operators <i>continued</i>	LANDMARK I/II Laboratory Work and Sampling Review of the best practices for water and wastewater laboratory work and sampling. <i>Michelle Angland, Edge Analytical Bend</i>	HERITAGE I LCCR Improvements/LSL Inventory A look at the methods and questions with the lead service line inventory and the improvements to the Lead and Copper Rule. <i>Amy Word, OHA</i>	HERITAGE II DEQ Wastewater Operator Certification Basics The application and certification process, tips to avoid mistakes, an overview of DEQ's website, and an opportunity for program feedback. <i>Kimi Gryzb DEQ</i>	W	WW		
		W/WW	W/WW	W	WW				
12-1:30 PM HOMESTEAD Lunch Break • Exhibits • Game Tournaments <i>Learn the latest applications, equipment, tools and techniques for the water and wastewater industry. Lunch served in Homestead Hall.</i> 0.1 w/ww									
1:30-2:45 pm	0.125 CEUs	GREAT HALL Basic Math for Operators <i>continued</i>	LANDMARK I/II Flexible and Reliable SCADA Systems Reliability in SCADA is becoming more and more important, especially with cyber-attacks increasing. Control, and be flexible with multiple systems to protect against cyber-attack. <i>Rich Owens, Owens Pump & Equipment</i>	HERITAGE I Emergency Response Plans and Other Considerations Public notice recommendations, water hauling, treatment/distribution trailers, etc. during emergencies. <i>Chantal Wikstrom, OHA</i>	HERITAGE II Financial Roundtable Panel Discussion overview of funding opportunities for water and wastewater. Q&A to allow systems to discuss their specific projects. <i>Kim Young, USDA; Capi Lewis, IFA; CoBank, Tom Puttman, Puttman Infrastructure; Tony Fields, OHA</i>	W	WW		
		W/WW	W/WW	W	WW				
2:45-3:15 PM HOMESTEAD Break • Exhibits • Game Tournaments									
3:15-5 pm	0.175 CEUs	GREAT HALL Basic Math for Operators <i>continued</i>	LANDMARK I/II Chemical Feed Pumps Water & Wastewater chemical feed pump application, operation, maintenance, & installation. <i>Phil Pelletier, Furrow Pump</i>	HERITAGE I Certification Updates Reviewing certification rules and requirements for water distribution and treatment certifications. <i>Tony Fields, OHA</i>	HERITAGE II What to Expect When You Are Inspected DEQ expectations & inspections How to Read Your Permit Review, become familiar with, and understand your permits. <i>Tiffany Yelton-Bram, DEQ</i>	W	WW		
		W/WW	W/WW	W	WW				
5:30-8 PM HOMESTEAD Cowboy Hospitality Night: Raffle Drawings, Prize Drawings & Game Tournament Finals									
8:30 PM TO CLOSING OWL'S NEST Live Music at the Owl's Nest This is a great time to network with peers, vendors, and friends!									

Friday, March 8, 2024 Conference Schedule

0.375 Total CEUs

7-8 am GREAT HALL LOBBY Breakfast					
8-9 am 0.1 CEUs	GREAT HALL Customer Calls How to respond to strange customer calls. Real-life examples pertaining to water taste and odor complaints and some really weird calls about bathroom fixture staining and other anomalies we are researching and testing for. <i>Mike Edwards, City of Bend</i> W/WW	LANDMARK I/II Underground Utility Locating See how GPR, inductive, and witching techniques work – the pros and cons. <i>Anthony Timineri, City of Bend</i> W/WW	HERITAGE I Navigating New Construction and Source for Hillsboro The construction of the new WWSS WTP and the System Integration work to make sure when the new WTP comes online the Distribution system is ready and able to handle the new water source. <i>Chris Wilson & Jessica Dorsey, City of Hillsboro</i> W	HERITAGE II Eliminating Fat, Oil, Grease (FOG), Odor, and H2s in lift stations Use of oxygen injection to drive the growth of helpful, aerobic microbes in wet wells. The new aerobic microbes replace the harmful anaerobic bugs which eliminate H2S while emulsifying FOG. <i>Gene Hallum, InfoSense</i> WW	
	9-9:15 am GREAT HALL LOBBY Break				
	9:15-10:15 am 0.1 CEUs	GREAT HALL Customer Calls <i>continued</i> W/WW	GREAT HALL Underground Utility Locating <i>continued</i> W/WW	HERITAGE I Land Conservation for Source Water Protection Voluntary land conservation provides a unique way for water providers and communities to collaborate with landowners within their drinking watersheds for drinking water quality. <i>Michelle Smith, Oregon Land Trusts and Alyssa Leidel, OR DEQ</i> W	HERITAGE II Collection System Management and the World of Pretreatment Do we have a program and are we monitoring our Industrial & Commercial Customers? Best practices for maintaining collection systems, Industrial & Commercial pollutants, FOG. <i>Ken Navidi, Bainbridge Associates</i> WW
		10:15-10:30 am GREAT HALL LOBBY Break			
10:30 am-12 pm 0.15 CEUs	GREAT HALL The Role We Play for Emergencies Are you ready for an emergency? Fire, earthquake, snow, flooding. They all require one same thing, You! We will talk about emergencies from the 30,000 foot level. Sharing tools used to get a volunteer work force, grants, equipment, and further education. <i>Dan Weitzle, City of Manzanita</i> W/WW	HERITAGE I Flow Meter Limitations How shall we calibrate these meters? Open Channel and Closed Pipe Flow Meters, when and where to use them, we will also discuss how to calibrate meters. <i>Ken Navidi, Bainbridge Associates</i> W/WW	LANDMARK I/II One Inventory to Rule Them All: Hillsboro Water's Quest for LCRR Lead Service Line Inventory Compliance In response to the EPA's Lead and Copper Rule Revision's Lead Service Line Inventory requirements, Hillsboro Water began its long and winding journey toward compliance. From digging through old ArcGIS Model Builder outputs to mining data from our own records, and even enlisting customer's help along the way. <i>Symon Powlison, Alyssa MacDonald, City of Hillsboro</i> W	HERITAGE II Wastewater Modeling Process and Benefits An in-depth look at the creation of a wastewater model, including flow monitoring requirements, and the benefits of a working model in regard to inflow & infiltration rehab, planning and development studies and future flow predictions for design storms and urban growth boundary expansions. <i>Samuel Novac, Novac Industries LLC</i> WW	
	12-12:15 pm GREAT HALL Conference Conclusion: Utility Leadership Growth <i>continued</i> <i>Jason Green, OAWU Executive Director</i> W/WW				



Registration Policies

Early Bird Registration: Receive a \$30 discount for each full conference registration postmarked by February 1, 2024. Early Bird registrations may be billed or contain a purchase order number.

Cancellation Policy: If you register for the Annual Conference and fail to attend without providing OAWU with a 10-day prior notice, no refund will be issued and/or you will be billed for a full registration.

Confirmation: For a confirmation of registration, please contact the OAWU office at (503) 837-1212 or email office@oawu.net.

OAWU's 46th Annual Management & Technical Conference

March 4–8, 2024

Conference and Pre-Conference Registration

Full Name _____

Name preferred for name badge _____

Water Op. Cert. # _____/_____ Wastewater Op. Cert. # _____/_____ Not Certified

Check box if you will be the Association Member Voting Delegate for the Annual Business Meeting Tuesday at 5:30 pm.

System / Company _____

System Address _____

City _____ State _____ Zip _____

System Phone _____ Contact Person Phone _____ System Email _____

Pre-Conference (Monday)

Course (check box for course attending)	Fee	Subtotal
<input type="checkbox"/> Cybersecurity 8–10 a.m. AND The Nexis , 10:15 a.m. to 12:15 p.m. (0.2 WATER / WASTEWATER CEUS EACH, 0.4 CEUS TOTAL)	FREE	FREE
<input type="checkbox"/> Cross Connection , 9 a.m. to 4:45 p.m. (0.6 WATER CEUS)	\$120	
<input type="checkbox"/> Small Water System Training , 9 a.m. to 4 p.m. (0.6 WATER CEUS)	System ID #41-_____	FREE
<input type="checkbox"/> Flagger Certification , 8 a.m. to 1 p.m. (0.5 WATER / WASTEWATER CEUS)	FREE	FREE

Full Conference (Tuesday–Friday)

Conference Registration	Early Bird (postmarked by Feb. 1)	Standard (postmarked after Feb. 1)	Subtotal
<input type="checkbox"/> OAWU Member	\$390	\$440	
<input type="checkbox"/> Non-Member*	\$490	\$540	

Additional Meals for spouses or guests								Subtotal
	Evening Banquet	Lunches			Breakfast			
	Wednesday	Tuesday	Wednesday	Thursday	Wednesday	Thursday	Friday	
Enter quantity:	_____ × \$40	_____ × \$30	_____ × \$30	_____ × \$30	_____ × \$20	_____ × \$20	_____ × \$20	

TOTAL CONFERENCE FEES

Payment Enclosed Purchase Order: PO # _____ Please Invoice Credit Card (see below)

If paying by credit card, please use PayPal online at www.oawu.net or call the OAWU office for processing and receipt.

Email receipt to: _____ Fax receipt to: (fax number) _____

* Non-members receive a one-year individual membership with conference registration.

SEND REGISTRATION FORM AND FEES TO:

Fax 503-837-1213 or mail: OAWU, 935 N. Main Street, Independence, OR, 97351 or email to: office@oawu.net

Oregon Association of Water Utilities
935 N. Main St.
Independence, OR 97351
503-837-1212 Fax 503-837-1213
Address Service Requested



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THANK YOU TO OAWU'S 2024 SPONSORS!

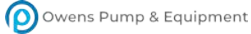
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**46th Annual Management &
Technical Conference in Sunriver
March 4–8, 2024**

**Attention Water and
Wastewater Departments**

*When finished reading, please route to managers,
operators, city recorder and/or board members.*

**Whose water will take home the title of “Oregon’s Best Tasting Water” at
OAWU’s 29th Annual Best Drinking Water Contest and represent our state
at the National Best Water Contest in Washington, D.C.?**



Contest Rules

Entrants must be an OAWU member and in State Compliance.

Bring a clear container (mason jars work well) with 1–2 quarts of your system’s drinking water to the conference in Sunriver.

ENTRIES MUST BE SUBMITTED TO THE OAWU REGISTRATION DESK LOCATED IN THE GREAT HALL BY 3PM ON TUESDAY, MARCH 5, 2024.

The container must be clean. You wouldn’t want to contaminate the smell or taste of your entry.

A panel of non-partisan judges will determine the winning Ground and Surface water entries based on clarity, smell and taste. The overall “Best Drinking Water” will go to the national drinking water contest in Washington, D.C.

Winners will receive a plaque of excellence to exhibit in their community.

NOMINATIONS

***Looking for the
annual awards
nomination forms?
Visit our website at
www.oawu.net for
these and much more!***

***OAWU’s mission is to provide service, support and solutions for Oregon
water & wastewater utilities to meet the challenges of today & tomorrow.***